

CERES SCF STATUS

| <i>Description</i> | <i>October 20, 2004 Status</i> | <i>Problems</i> |
|--|--|-----------------|
| SUN Upgrades | No new updates. | |
| SGI Upgrades | <p>A delayed in moving <i>ctg.larc.nasa.gov</i> was experienced this past reporting period. This task is rescheduled for the next reporting period.</p> <p>Prior Info: The CERES testbed system (<i>ctb-g.larc.nasa.gov</i>) was upgraded from IRIX 6.5.22m to IRIX 6.5.25m. The existing compilers on this system remain the same. We are currently investigating upgrading the compilers once the MipsPRO 7.4.3m compilers are released in December to resolve the 3211 error being reported by the TISA subsystem. The toolkit brands SGI32 and SGI64 were recompiled due to the upgrade. The toolkit brand SGI continues to fail to compile at this time.</p> | |
| MAC Upgrades | The Macintosh Xserve was fully patched during this reporting period. The Xserve supports the nearline storage system. | |
| PC Upgrades | No new updates. | |
| Thunder, Lightning & Lanina | <p>Several modifications were made in the NLstore tool and daemon. Testing is currently in progress at this time. The modifications include an adjustment in the timing variable and the socket queue.</p> <p>Prior Info: At this time we are limping on two tape drives in the Exabyte library attached to <i>thunder</i>. We are investigating having a drive replaced. We are also experiencing some bad tapes in the tape library and only have a limited number of new tapes for replacement.</p> | |

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|--|--|-----------------|
| Thunder, Lightning & Lanina | <p>The CERES testbed OS/Compilers test schedule, as previously revised, is shown below.</p> <p>1.) Inversion (Complete) Sandy has completed testing of the Inversion subsystem. No problems were reported.</p> <p>2.) Instrument (Complete) Denise has completed testing of the Instrument subsystem. No problems were reported.</p> <p>3.) Clouds (In progress) Walt is in the process of testing at this time.</p> <p>4.) SARB (In progress) Scott is in the process of testing at this time.</p> <p>5.) GGEO (Complete) Joe has completed testing of GGEO and the 4211 error has not been resolved.</p> <p>6.) TISA (Complete) Raja has completed testing.</p> <p>7.) ERBELIKE (Complete) Dale has completed testing.</p> | |
| Security | No new updates. | |

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|----------------------|---|-----------------|---------|-------|-------|---------|----------|---------|-------|-----|-------|-----|---------|-------|------------|-------|----------|-----|-----|-------|-------|-------|-------|-----|-----------|----|-------|-------|-----------|-----|-------|-------|-----------|----|-------|--|
| Toolkit | <p>No new updates.</p> <p>Prior Info: The latest tested version of the toolkit is version 2.9.v1.00. The latest version of the toolkit installed but not tested is version 2.10.v1.00. This chart reflects the latest tested version of the toolkit by the CERES subsystems.</p> <table><tr><td>Software</td><td>Version</td></tr><tr><td>-----</td><td>-----</td></tr><tr><td>HDF-EOS</td><td>2.9v1.00</td></tr><tr><td>HDF-EOS</td><td>5.1.5</td></tr><tr><td>HDF</td><td>4.1r5</td></tr><tr><td>HDF</td><td>5-1.4.4</td></tr><tr><td>SDPTK</td><td>5.2.9v1.00</td></tr></table> <table><tr><td>BRAND</td><td>COMPILER</td><td>ABI</td><td>ISA</td></tr><tr><td>-----</td><td>-----</td><td>-----</td><td>-----</td></tr><tr><td>sgi</td><td>f95 (NAG)</td><td>64</td><td>mips4</td></tr><tr><td>sgi32</td><td>f90 (SGI)</td><td>n32</td><td>mips3</td></tr><tr><td>sgi64</td><td>f90 (SGI)</td><td>64</td><td>mips4</td></tr></table> | Software | Version | ----- | ----- | HDF-EOS | 2.9v1.00 | HDF-EOS | 5.1.5 | HDF | 4.1r5 | HDF | 5-1.4.4 | SDPTK | 5.2.9v1.00 | BRAND | COMPILER | ABI | ISA | ----- | ----- | ----- | ----- | sgi | f95 (NAG) | 64 | mips4 | sgi32 | f90 (SGI) | n32 | mips3 | sgi64 | f90 (SGI) | 64 | mips4 | |
| Software | Version | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ----- | ----- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HDF-EOS | 2.9v1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HDF-EOS | 5.1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HDF | 4.1r5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HDF | 5-1.4.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SDPTK | 5.2.9v1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRAND | COMPILER | ABI | ISA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ----- | ----- | ----- | ----- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sgi | f95 (NAG) | 64 | mips4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sgi32 | f90 (SGI) | n32 | mips3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sgi64 | f90 (SGI) | 64 | mips4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DMSS Transfer | No new updates. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CERESlib | No new updates. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CERES SCF/DAAC Server Information

| Server Name: | Asdsun | Thunder | Lightning | Lanina | ctb-g | Samantha ¹ | Warlock | Darrin |
|--------------------------|---------------|----------------|----------------|----------------|----------------|-----------------------|----------------|----------------|
| <i>System Type</i> | Sun Fire V880 | Origin 3800 | Origin 3800 | Origin 3800 | Octane | Origin 2000 | Origin 3800 | Origin 2000 |
| <i>Operating System</i> | Solaris 8 | IRIX64 6.5.16m | IRIX64 6.5.16m | IRIX64 6.5.16m | IRIX64 6.5.25m | IRIX64 6.5.18m | IRIX64 6.5.17m | IRIX64 6.5.25m |
| <i>Fortran compilers</i> | SUNWspro 4.0 | 7.3.1.3m | 7.3.1.3m | 7.3.1.3m | 7.4 | 7.3.1.3m | 7.3.1.3m | 7.4 |
| <i>Toolkit (default)</i> | TK5.2.7v1 | TK5.2.7v1 | TK5.2.7v1 | TK5.2.7v1 | TK5.2.7v1 | | TK5.2.7v1 | TK5.2.7v1 |
| <i>Toolkit (other)</i> | | TK5.2.9v1 | TK5.2.9v1 | TK5.2.9v1 | TK5.2.9v1 | | TK5.2.9v1 | |
| <i>Ada</i> | N/A | 1.3 | 1.3 | 1.3 | 1.3 | | 1.3 | 1.3 |
| <i>IDL</i> | 5.6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 (demo mode) | 5.5 | 5.3 |
| <i>NAG fortran 95</i> | 1.0(439) | 1.0(428) | 1.0(428) | 1.0(428) | 1.0(428) | Removed | 1.0(428) | 1.0(428) |
| <i>HDF</i> | 4.1.r3 | 4.1.r3 | 4.1.r3 | 4.1.r3 | 4.1.r3 | | 4.1.r3 | |
| <i>Proposed upgrades</i> | None | None | None | None | None | None | None | |
| <i>Problems</i> | None | None | None | None | None | None | None | None |

1. New *samantha* (previously *trance*).

NOTES:

Currently the SCF is not able to backup all data stored on the SCF servers. On the SCF SGI servers: *thunder*, *lightning* and *lanina* the partitions ending with an "-" followed by a numeric number are currently being backed up on a regular schedule. The partitions ending with an "-" followed by an alpha character are considered scratch space and are not being backed up. Any data stored on these non-backed up partitions should be considered recoverable or reproducible from other sources.

Systems *warlock* and *samantha2* were merged into one system (*warlock*) on Tuesday, August 19.

All CERES processing was transitioned to *warlock*.

Date last updated (server info chart only): 09/22/04